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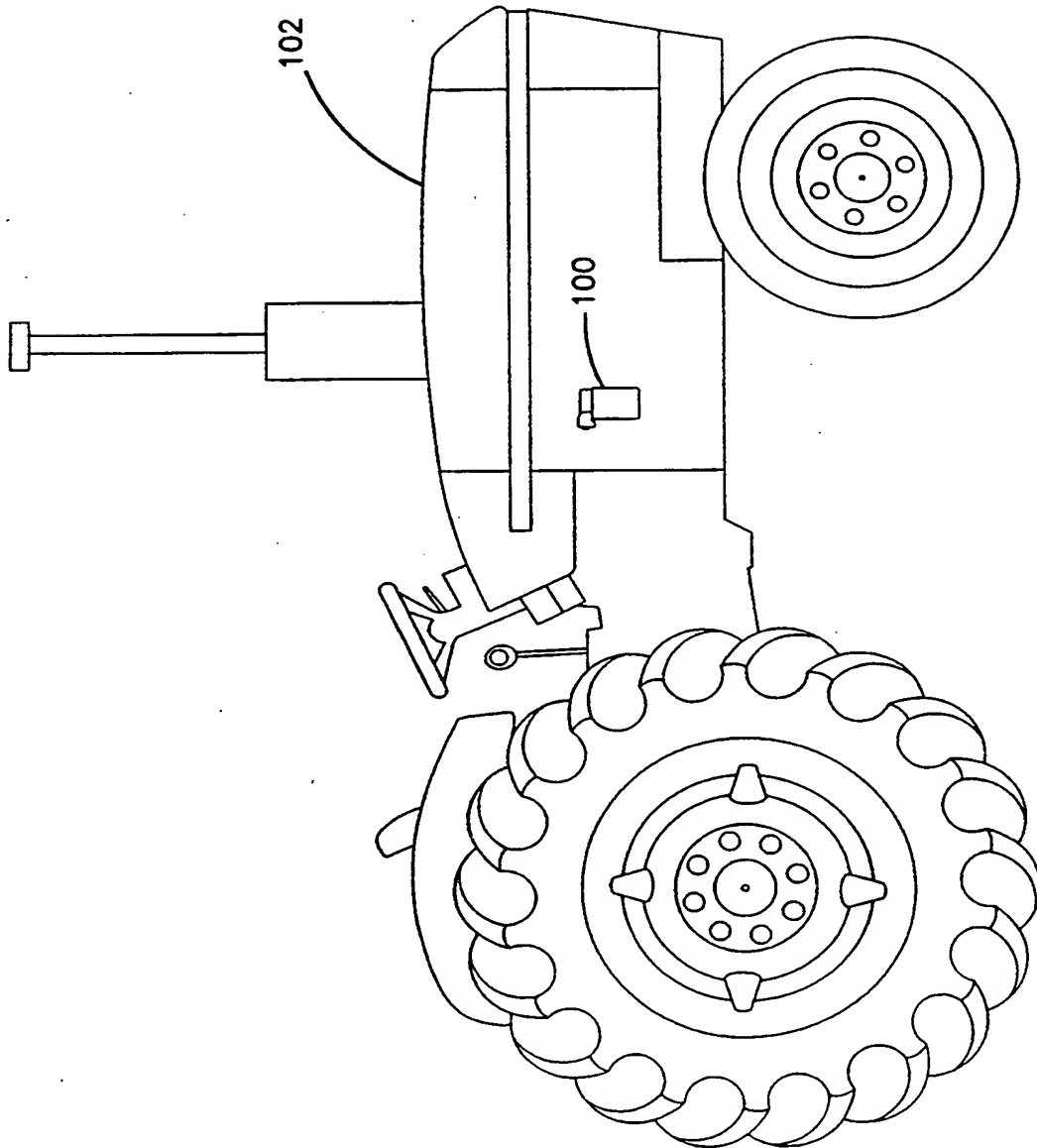


FIG. 1

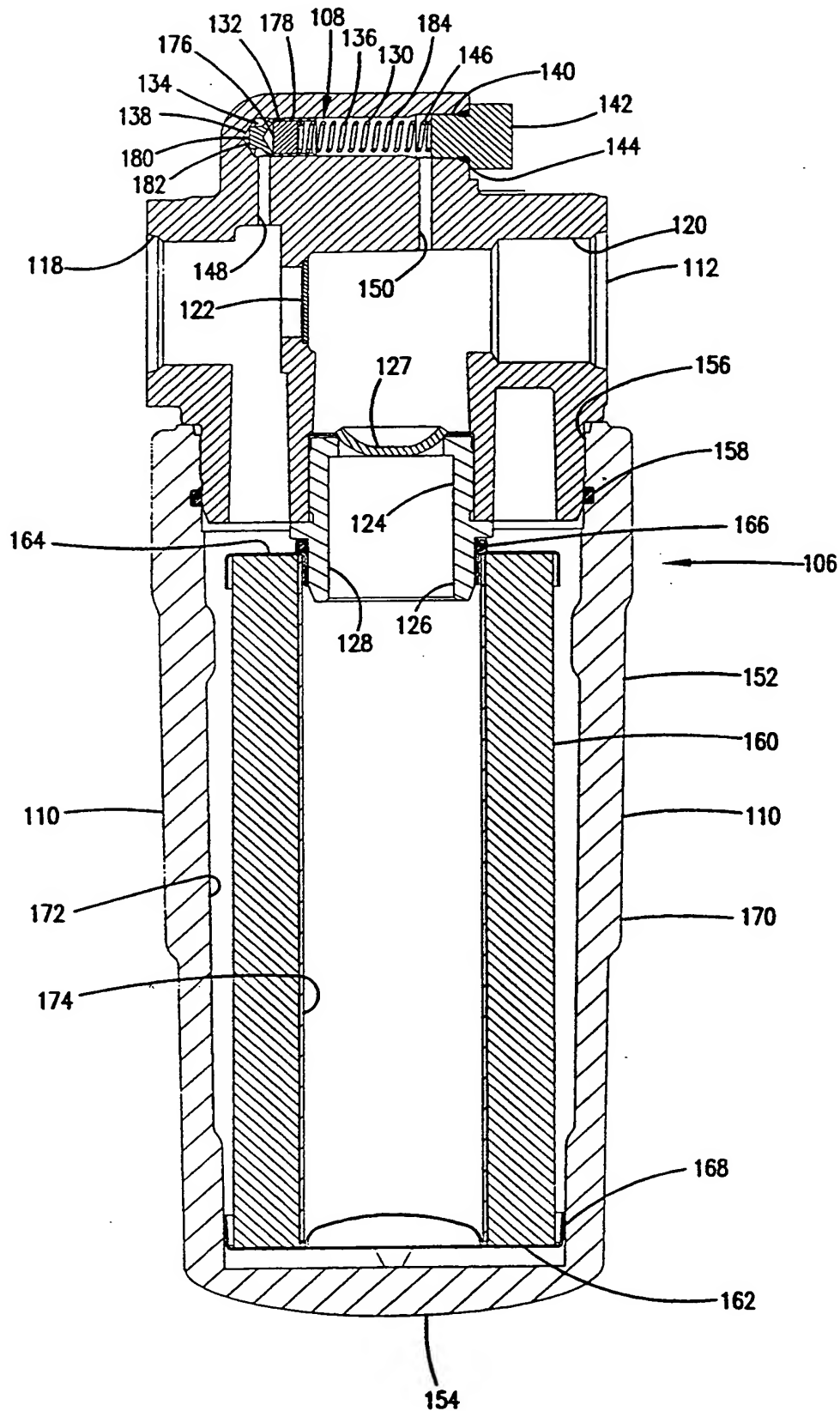
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This diagram shows an exploded perspective view of a mechanical assembly. The main component is a cylindrical body (110) with a top flange (114). A bracket (112) is mounted on top of the flange, secured by a bolt (142) and a nut (144). A spring (176) is attached to the bracket. A rod (190) passes through the bracket and the flange, secured by a nut (202) and a washer (208). A cable (216) is attached to the rod. A bracket (116) is also shown, which would be mounted on the flange. A bolt (184) and a nut (186) are shown, which would be used to secure the bracket (112) to the flange. A cable (220) is shown, which would be attached to the rod (190). The assembly is shown in a perspective view, with dashed lines indicating the assembly path. The callout numbers are: 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220.

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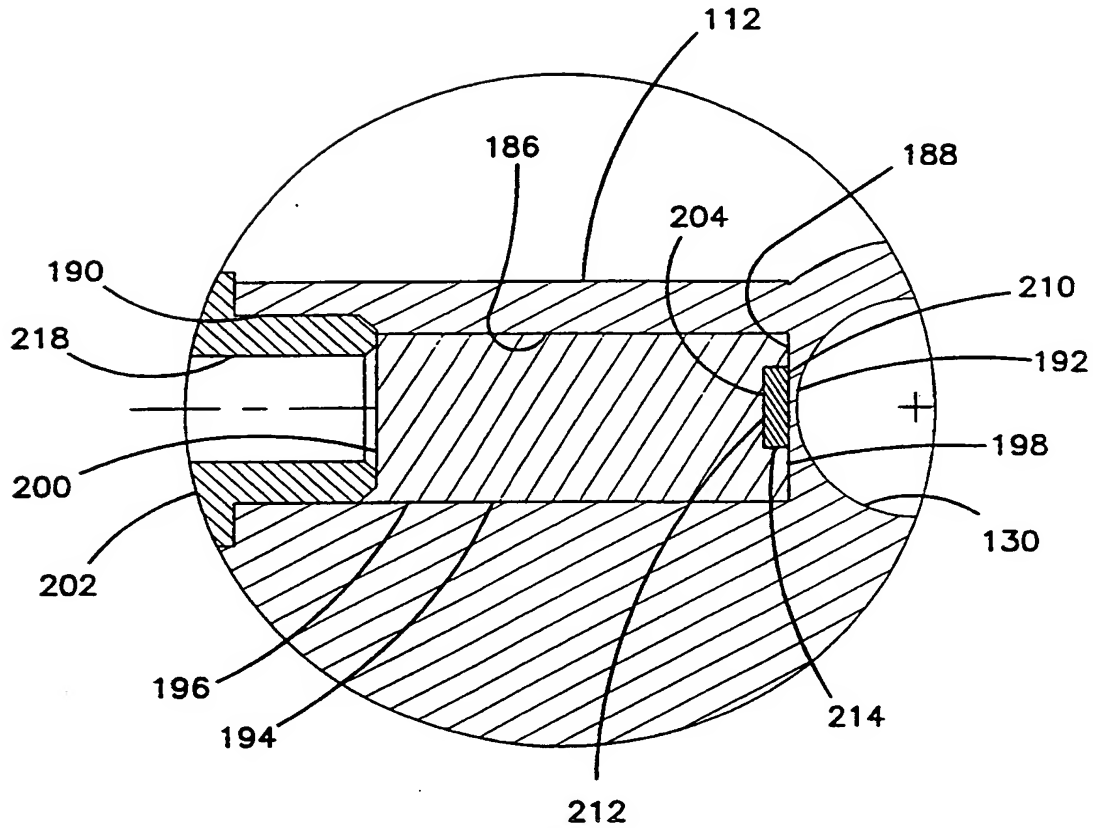
FIG. 3



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FIG. 4



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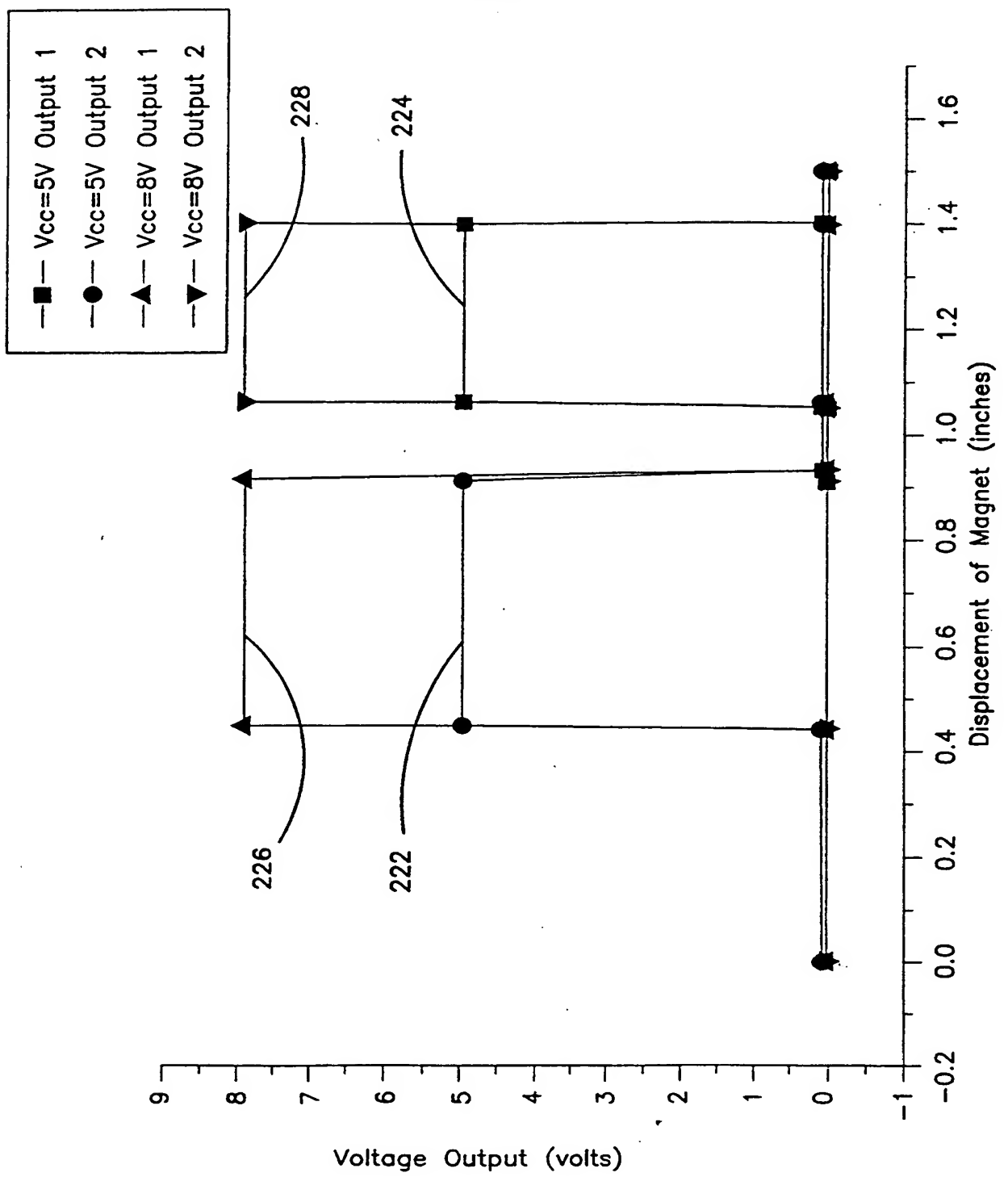


FIG. 5

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FIG. 10

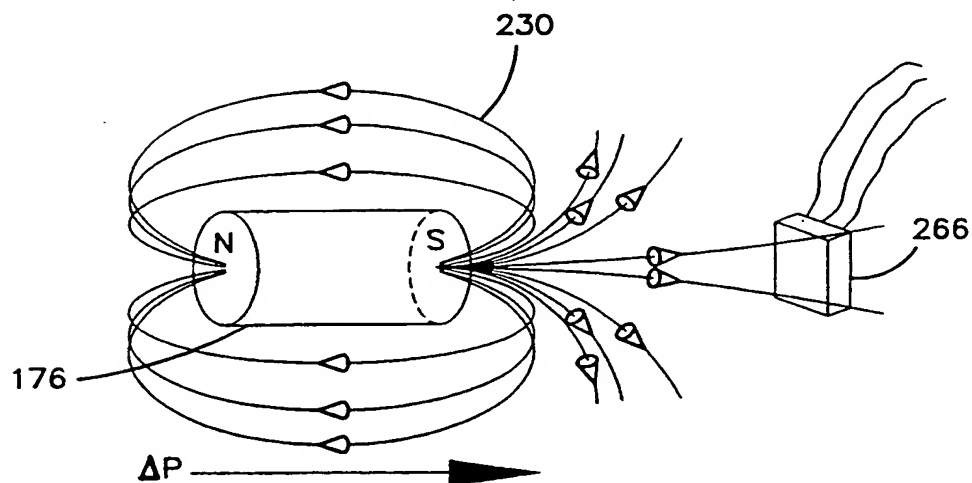


FIG. 6

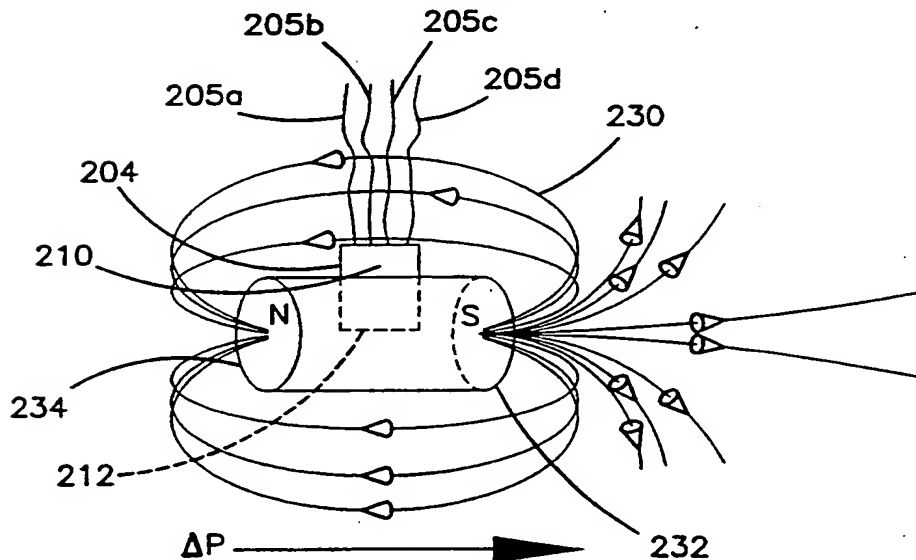
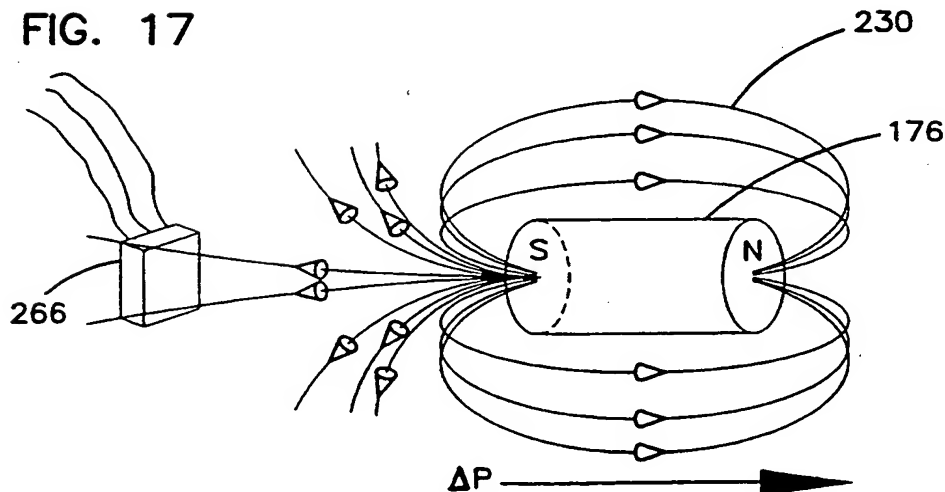
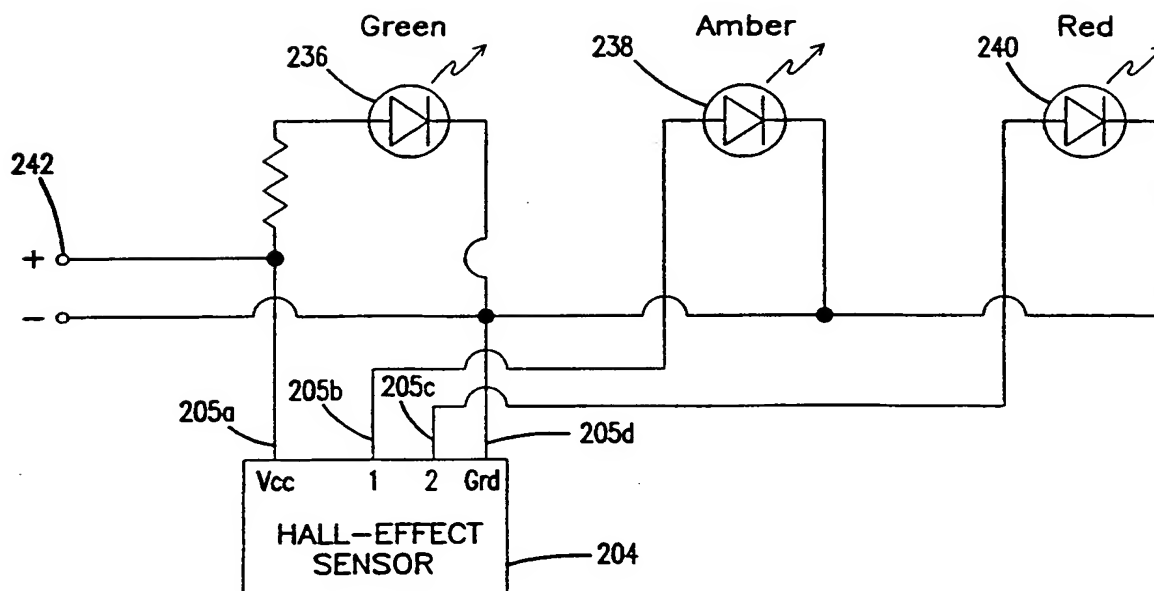


FIG. 17



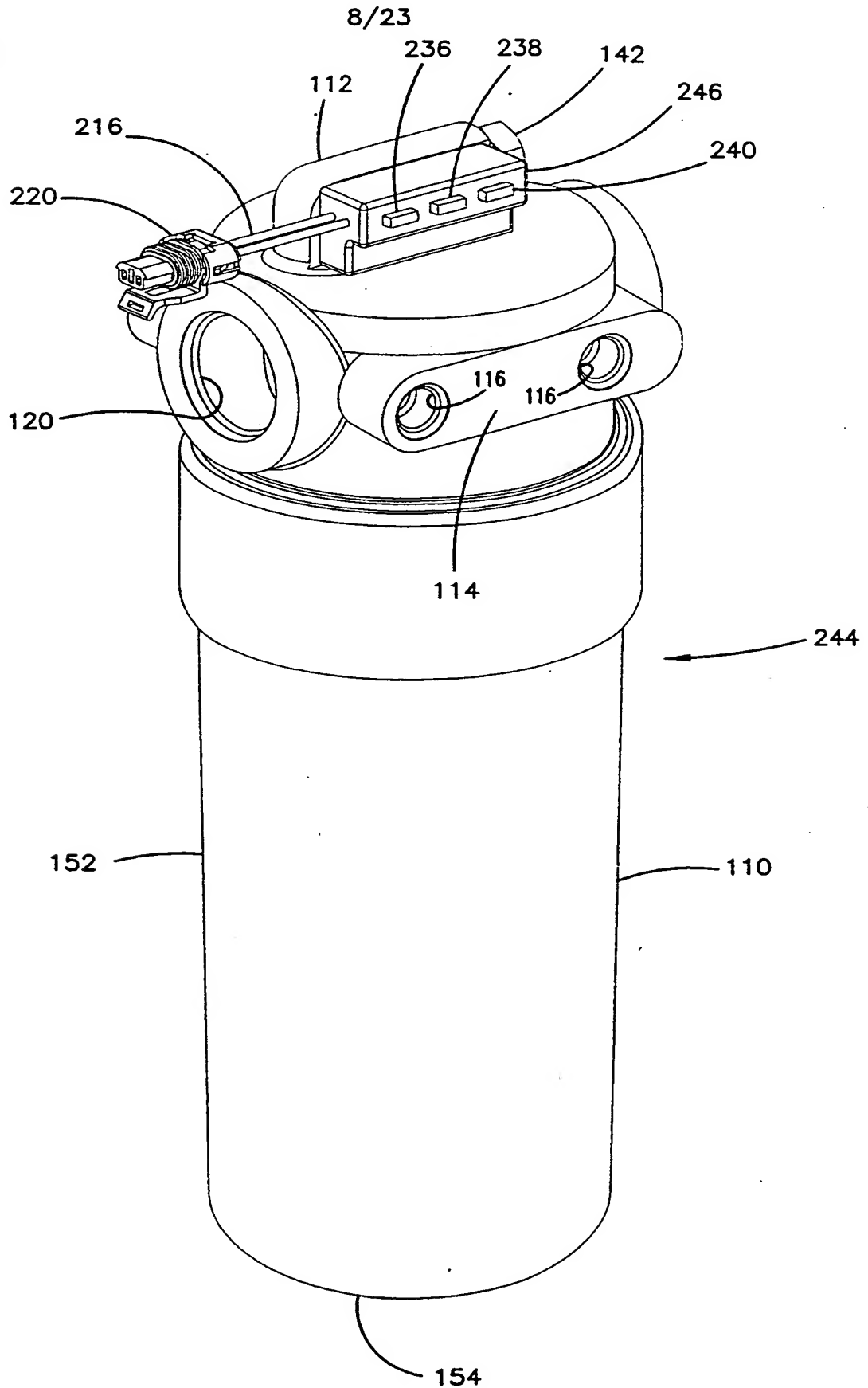
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FIG. 7



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FIG. 8



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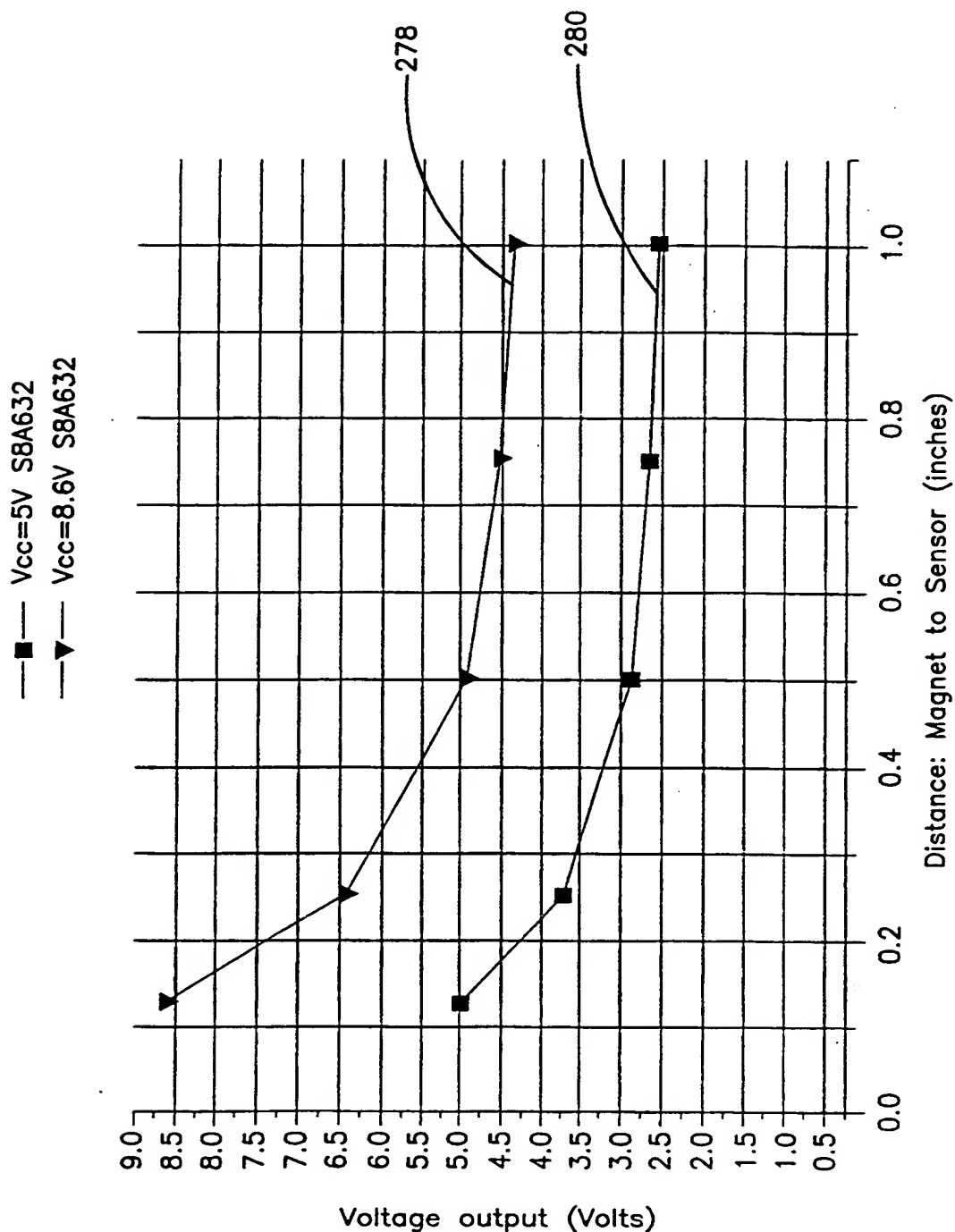


FIG. 11

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FIG. 13

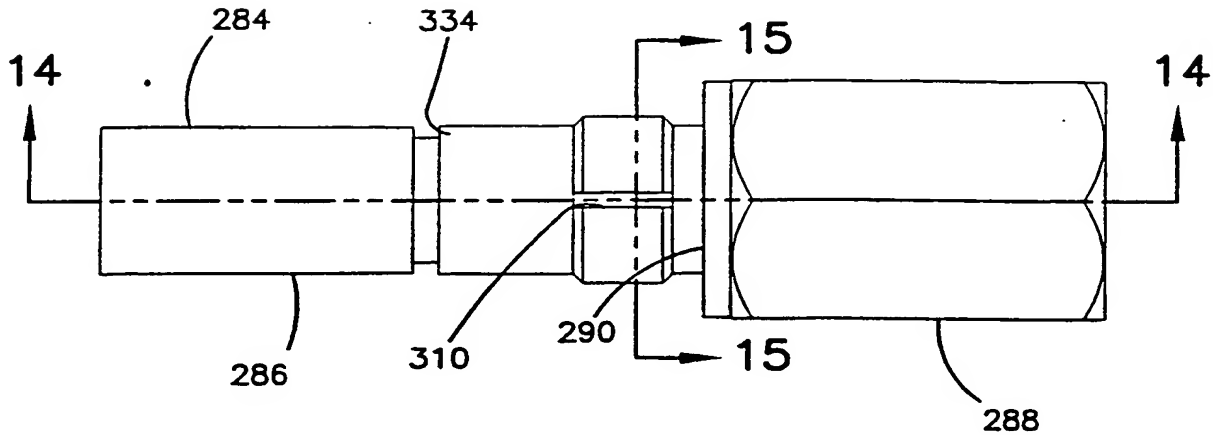


FIG. 14

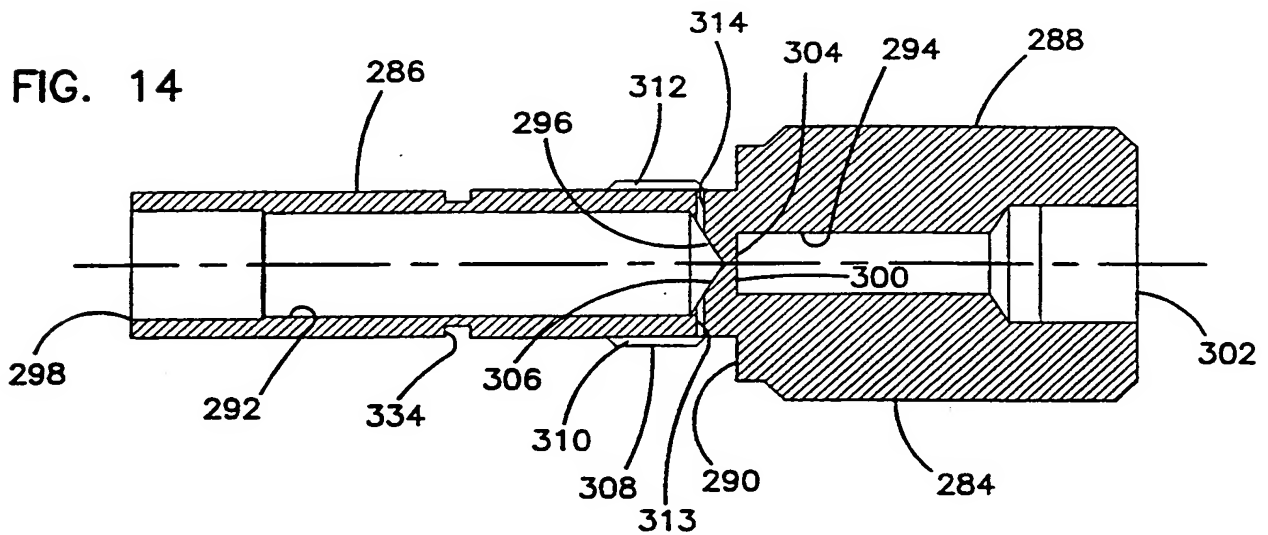
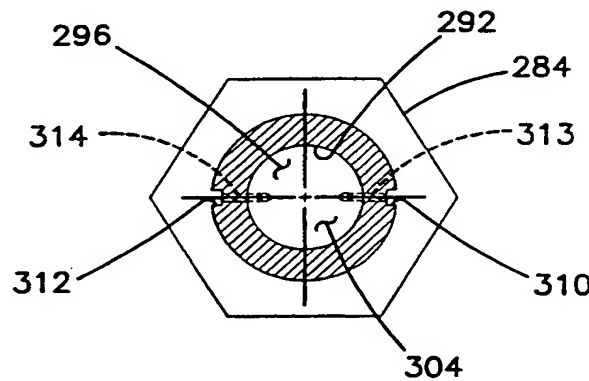


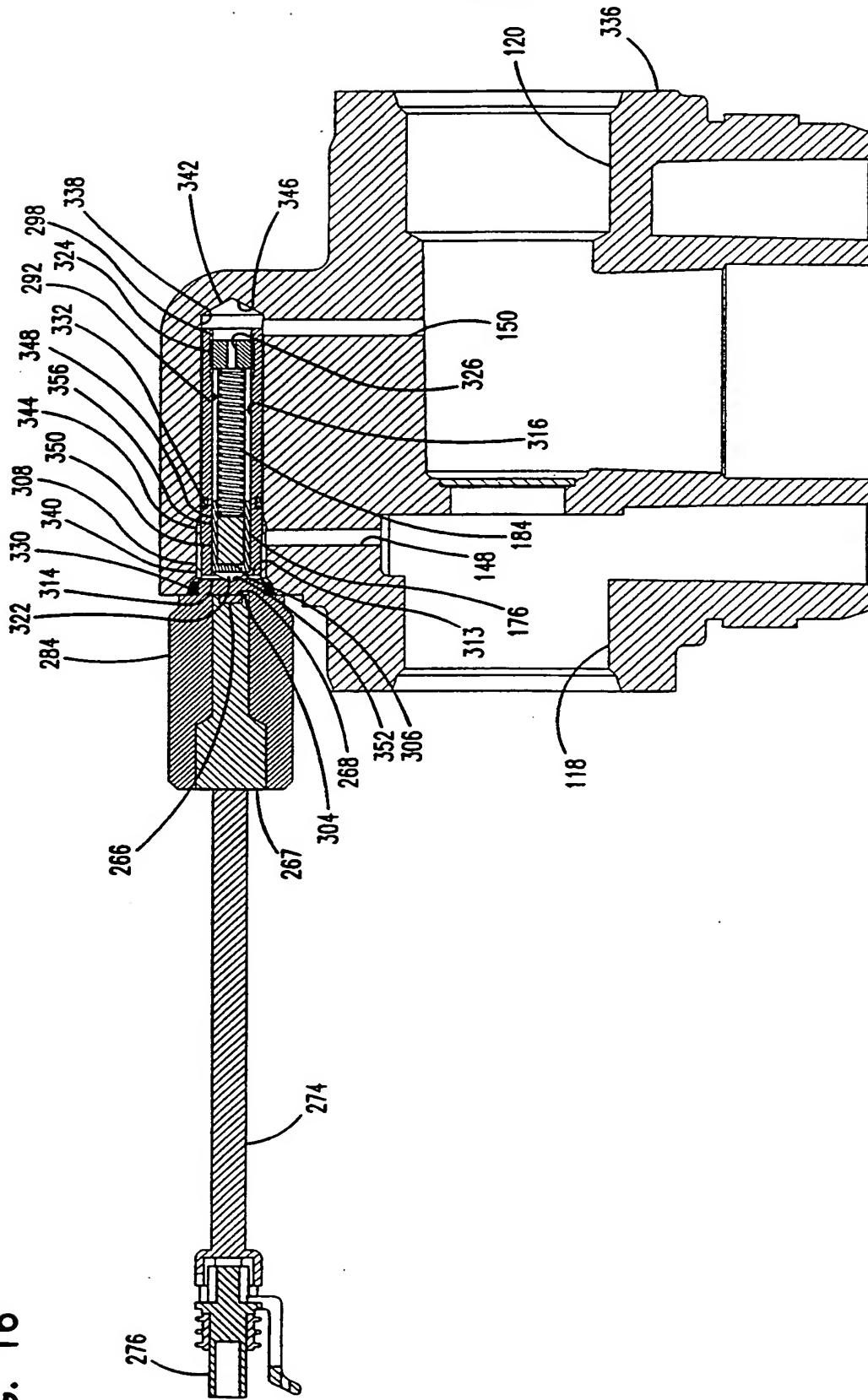
FIG. 15



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FIG. 16



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FIG. 18

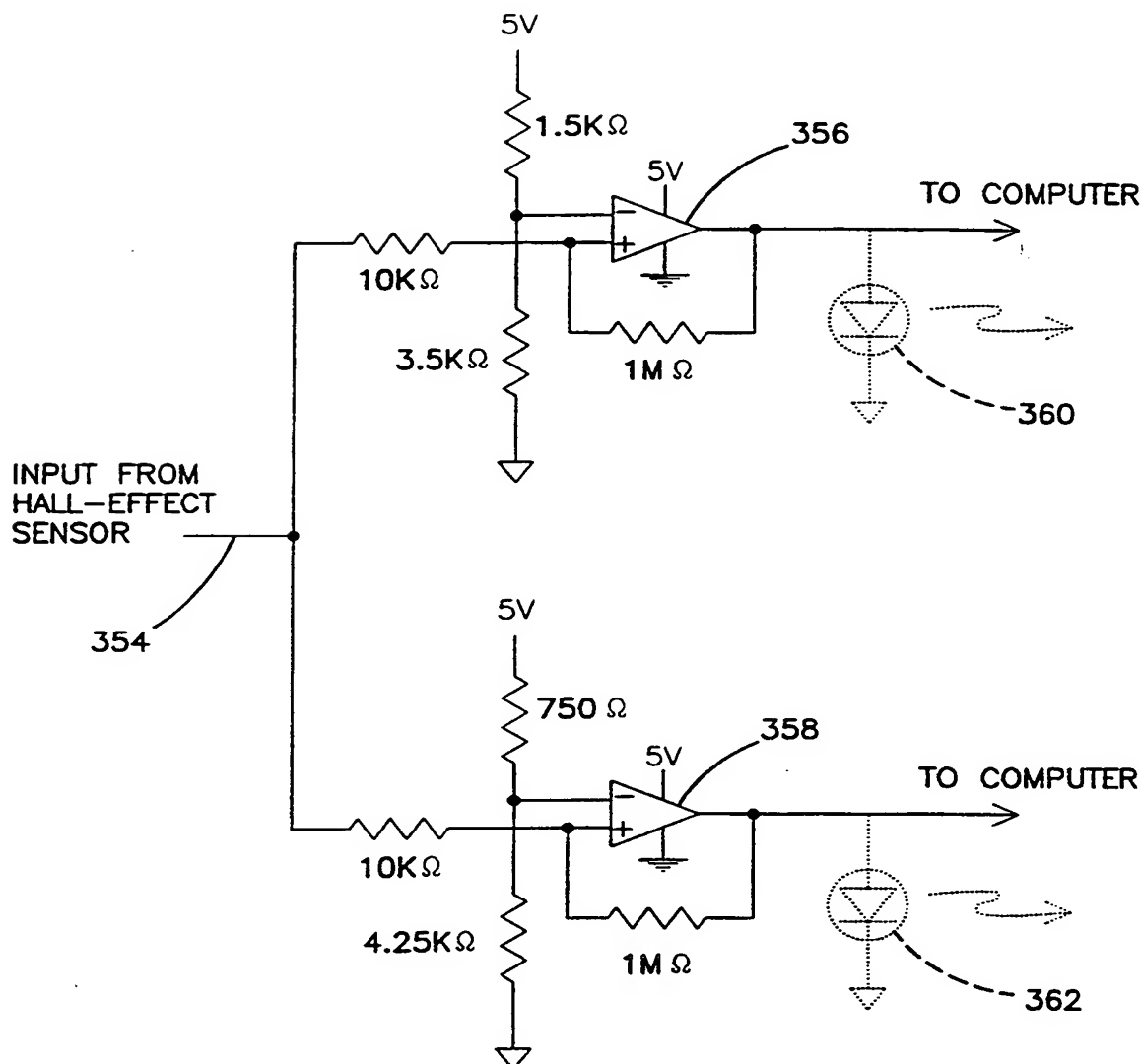
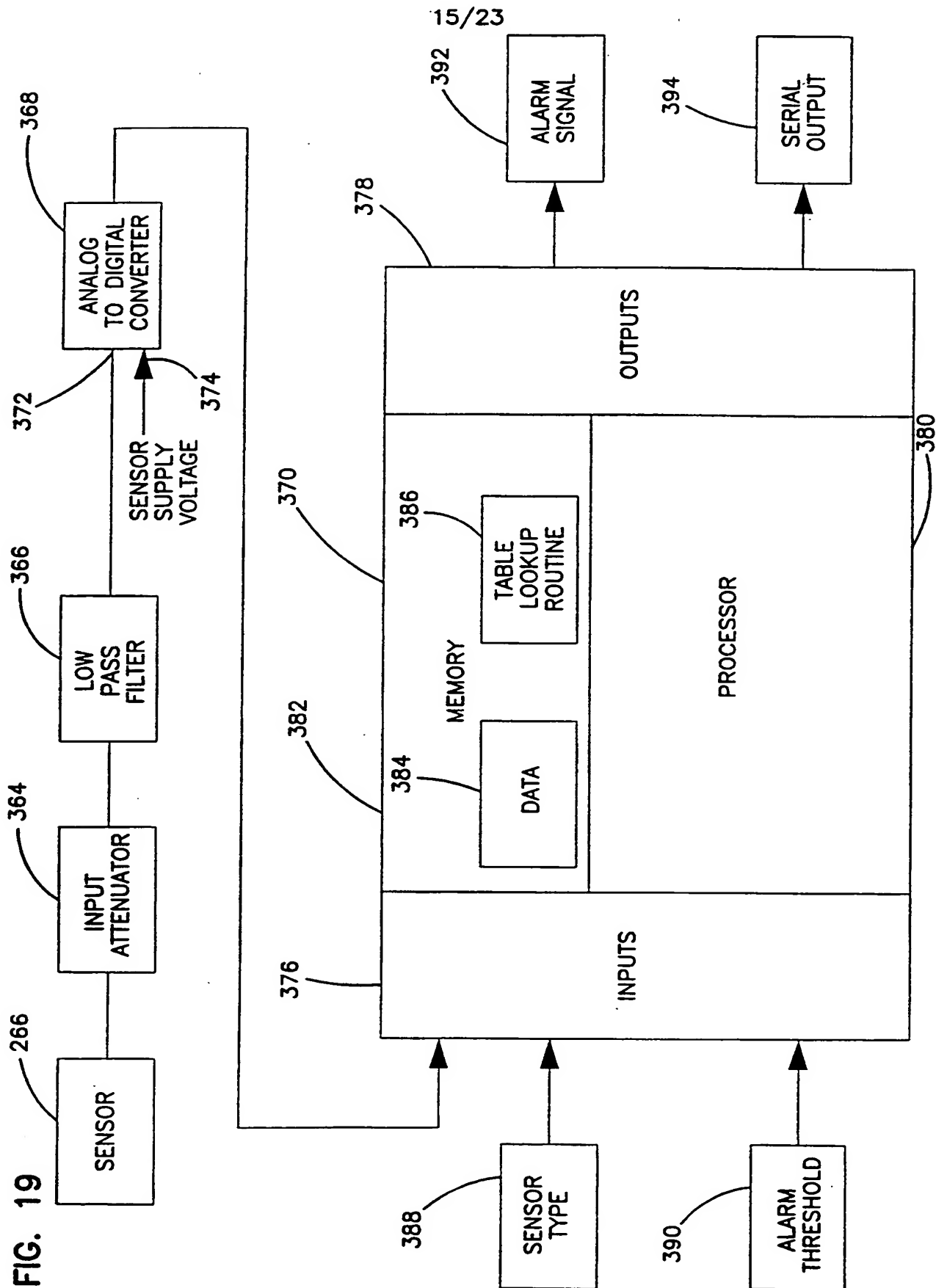


FIG. 19



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FIG. 20A

396a

TABLES OF SELECTED SENSOR AND SUPPLY VOLTAGE
VERSUS SENSOR DISTANCE

384a

SENSOR OUTPUT VOLTAGE COLUMN	SENSOR DISTANCE COLUMN
WORD (0)	WORD (0)
WORD(1)	WORD(1)
WORD(2)	WORD(2)
WORD(3)	WORD(3)
WORD(4)	WORD(4)
WORD(5)	WORD(5)
WORD(I)	WORD(I)
WORD(I+1)	WORD(I+1)
WORD(N)	WORD(N)

FIG. 20B

396b

TABLES OF SENSOR DISTANCE VERSUS PRESSURE

384b

SENSOR DISTANCE COLUMN	PRESSURE COLUMN
WORD (0)	WORD (0)
WORD(1)	WORD(1)
WORD(2)	WORD(2)
WORD(3)	WORD(3)
WORD(4)	WORD(4)
WORD(5)	WORD(5)
WORD(I)	WORD(I)
WORD(I+1)	WORD(I+1)
WORD(N)	WORD(N)

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FIG. 21A

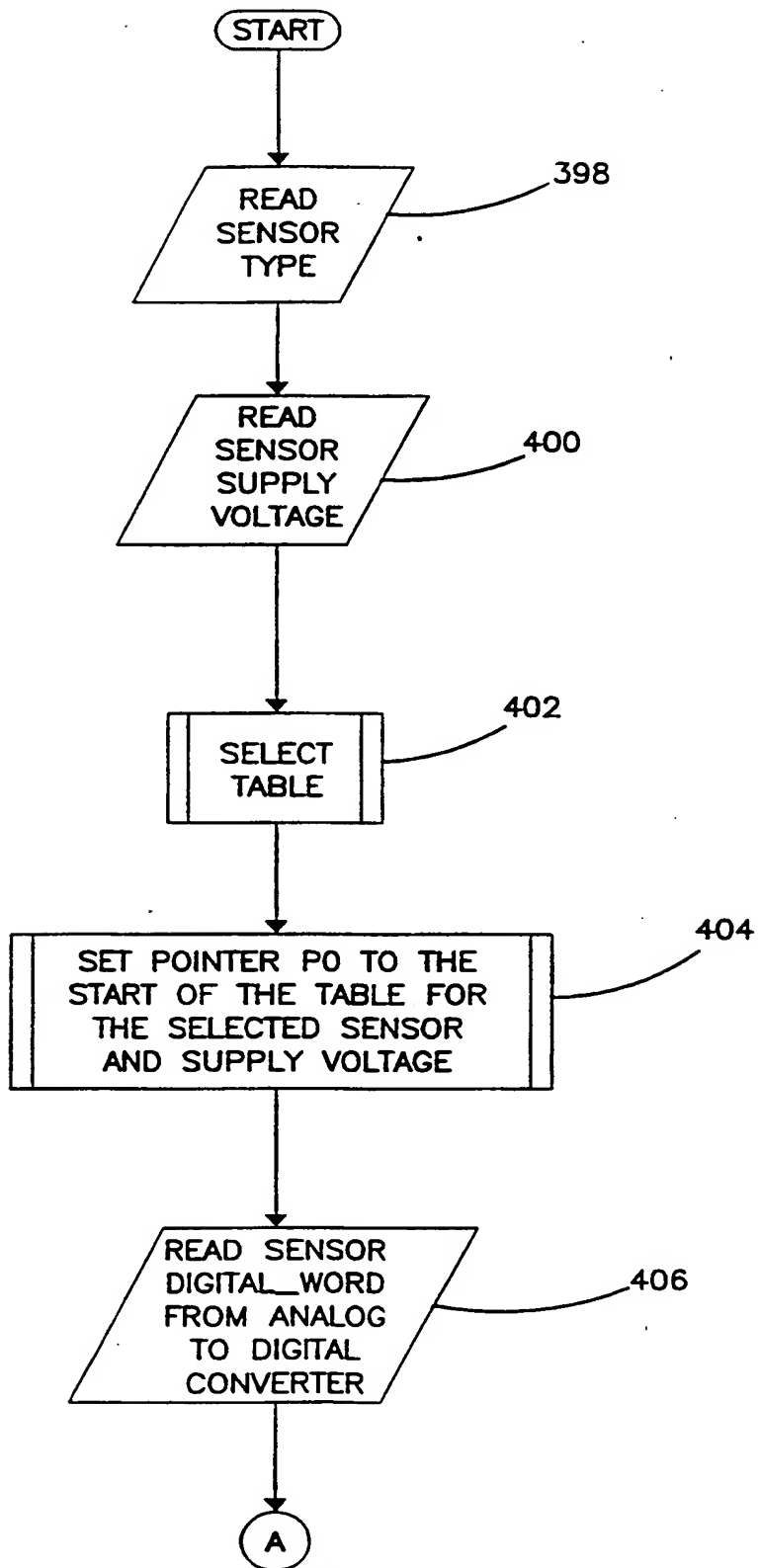
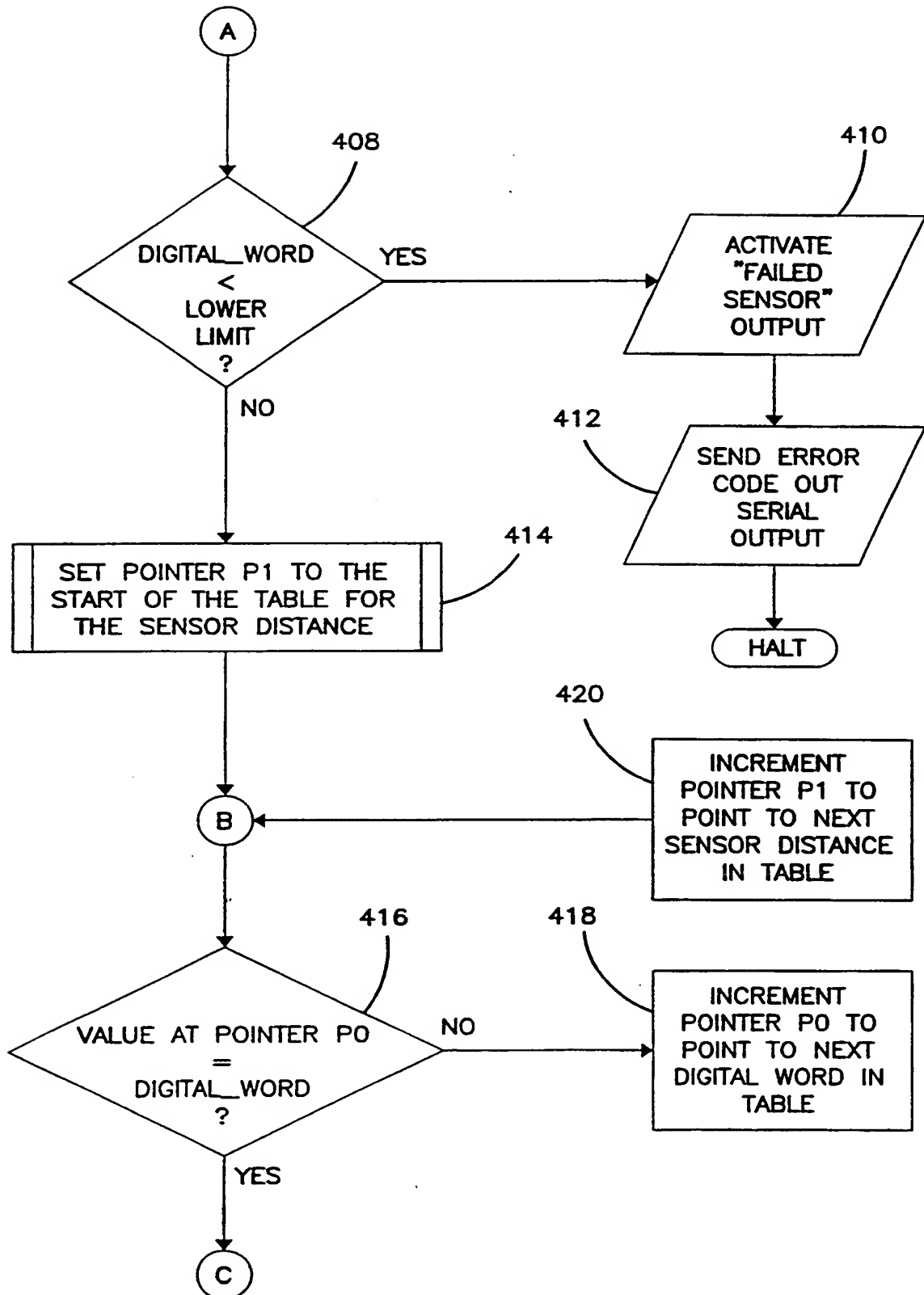


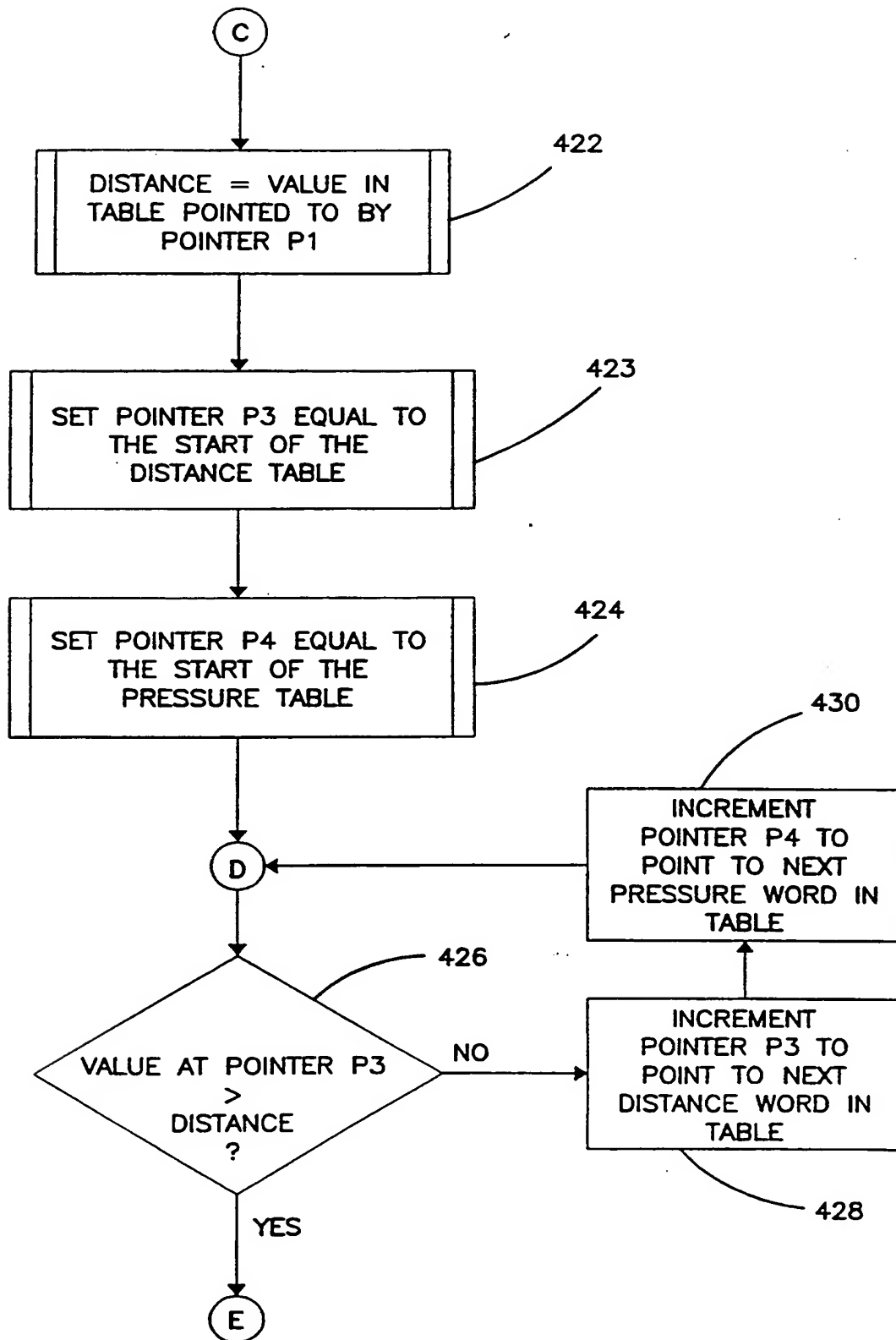
FIG. 21B



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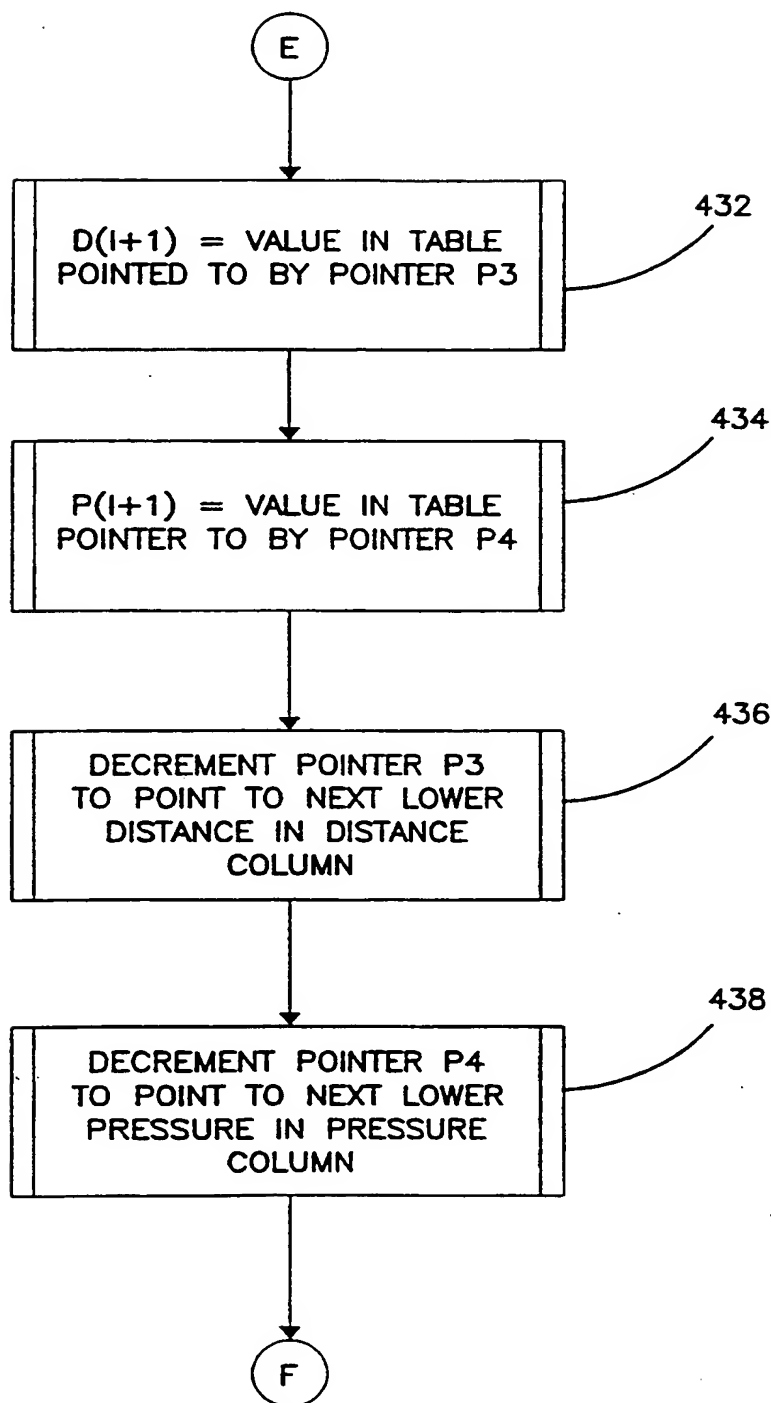
FIG. 21C



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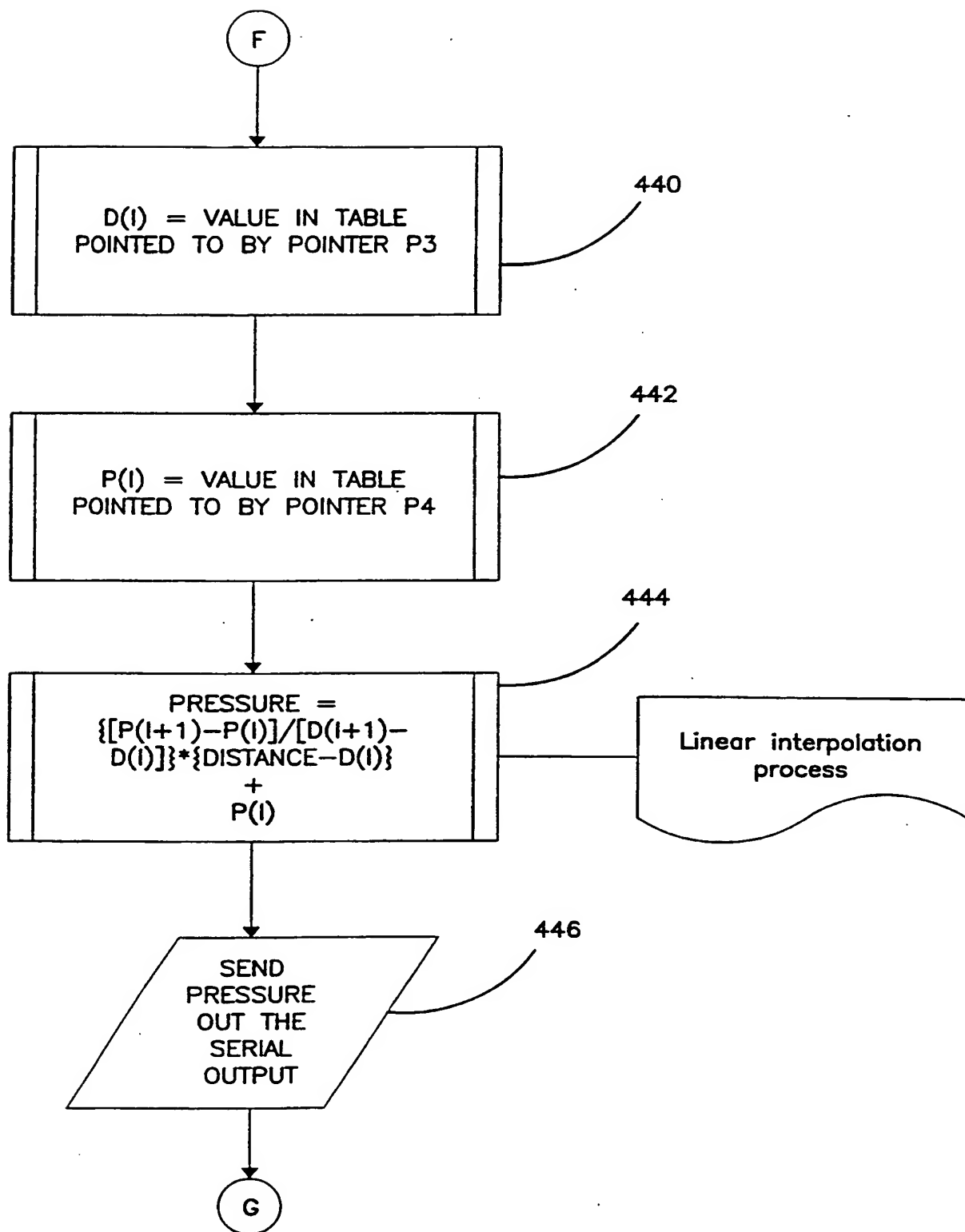
FIG. 21D



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FIG. 21E



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FIG. 21F

